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Docket No.: 061355-0055

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Kantaro YOSHIMOTO, et al.

Application No.: 10/814,237

Filed: April 01, 2004

For: MOTOR CONTROL APPARATUS AND MOTOR CONTROL METHOD

: Customer Number: 20277

: Confirmation Number: 5408

: Group Art Unit: 2837

: Examiner: E. Colon Santana

RESPONSE

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This responsive to the Office Action issued on May 17, 2005. Claims 1-9 are active for examination.

The Office Action rejected claims 1, 6, 8 and 9 under 35 U.S.C. §103(a) as unpatentable over the combination of Kitajima (U.S. Patent No. 6,674,262) and Ho (U.S. Patent No. 6,777,907). Claims 2-5 and 7 were objected to for depending from a rejected base claim.

The obviousness rejection is respectfully traversed because Kitajima and Ho cannot support a prima facie case of obviousness.

Claim 1 describes a motor control apparatus that uses a novel and non-obviousness approach to perform a fundamental wave control and a higher harmonic current control. The control apparatus includes a fundamental wave current control device that implements feedback control on a fundamental wave component of a motor current flowing to a 3-phase AC motor in